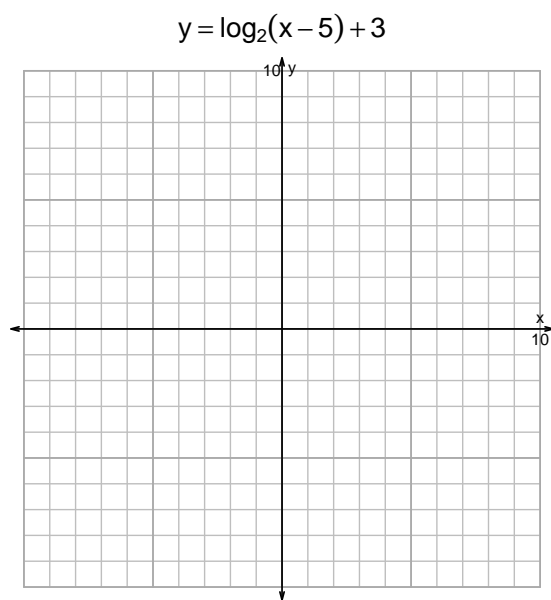
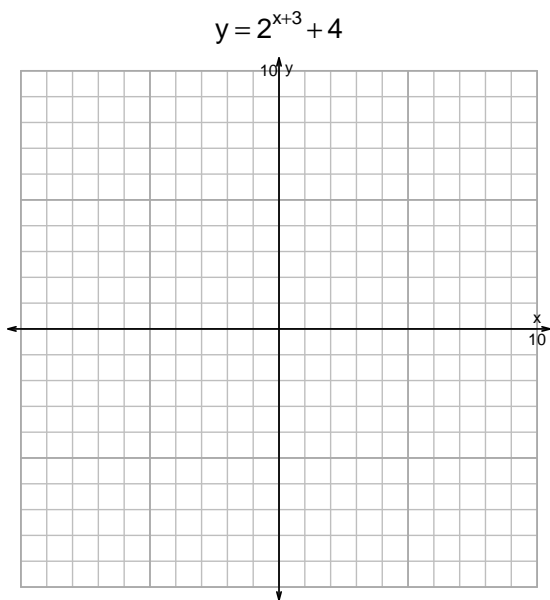


Name: _____

Date: _____

S18QUIZ: EXP LOG (PRACTICE v113)

1. Graph $y = 2^{x+3} + 4$ and $y = \log_2(x - 5) + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{3}{5}\right) \cdot 2^{7t/4}$$

3. An exponential function $f(x) = 0.0101 \cdot e^{-1.15x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.6)$.

b. Express $f^{-1}(x)$, the inverse of f .

c. Using the plot above, evaluate $f^{-1}(0.008)$.